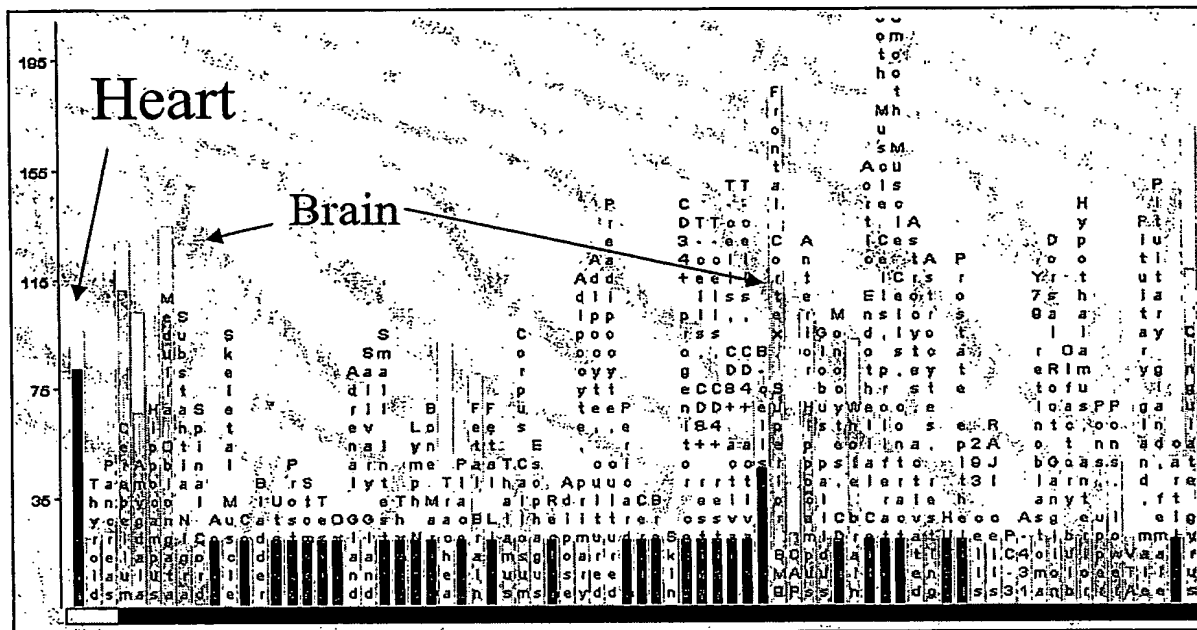


Figure 1

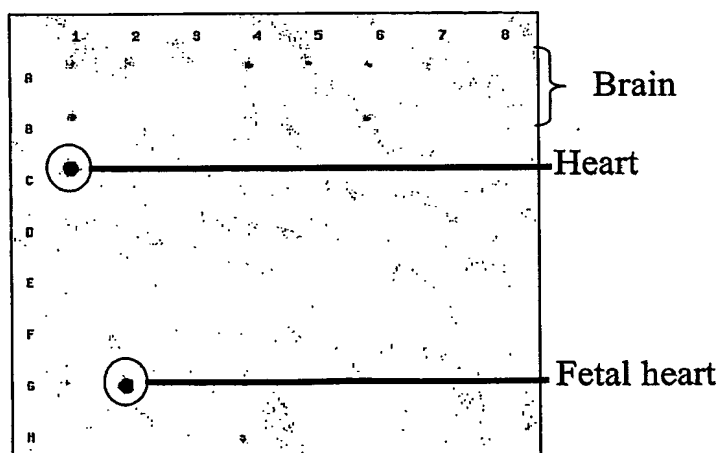
Figure 2

RUP41 Expression Profile in Human Tissues

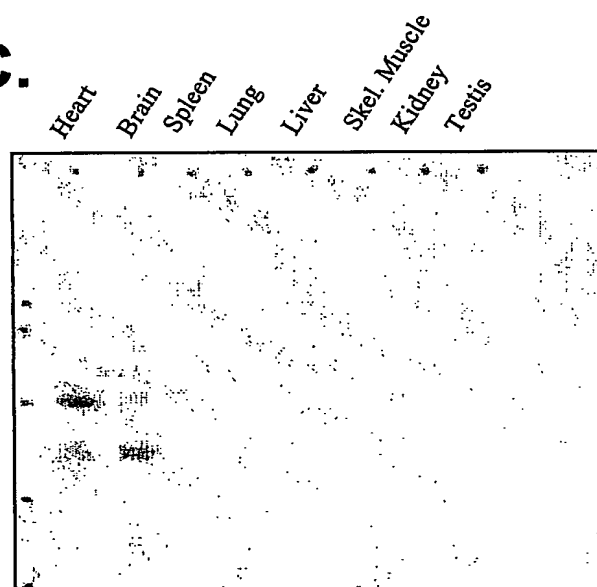
A.



B.



C.



**Figure 3. In Situ Hybridization:
RUP41 Expression in Adult Rat Heart**

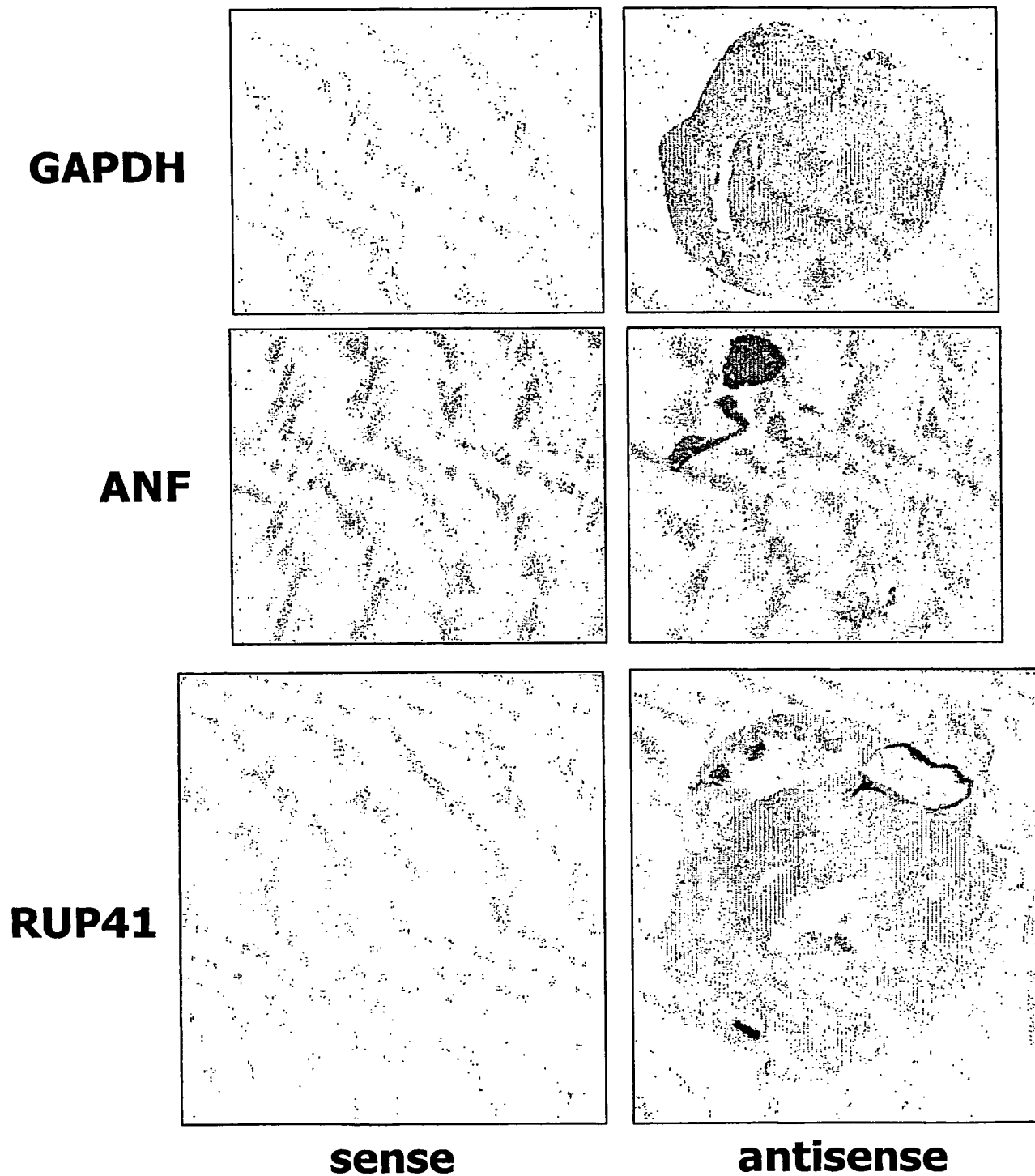


Figure 4. Down-Regulation of RUP41 in Hypertrophied Neonatal Rat Ventricular Myocytes

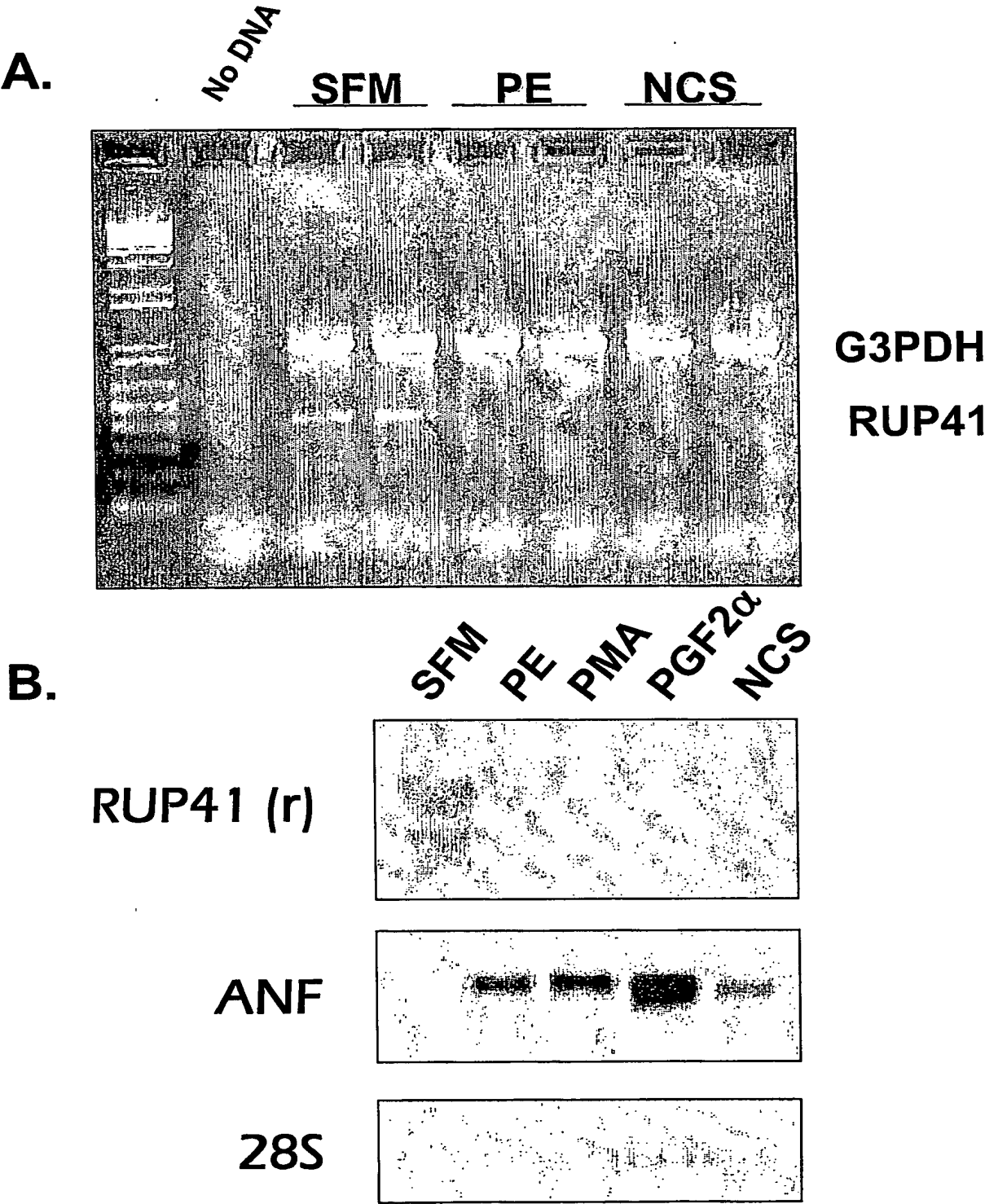
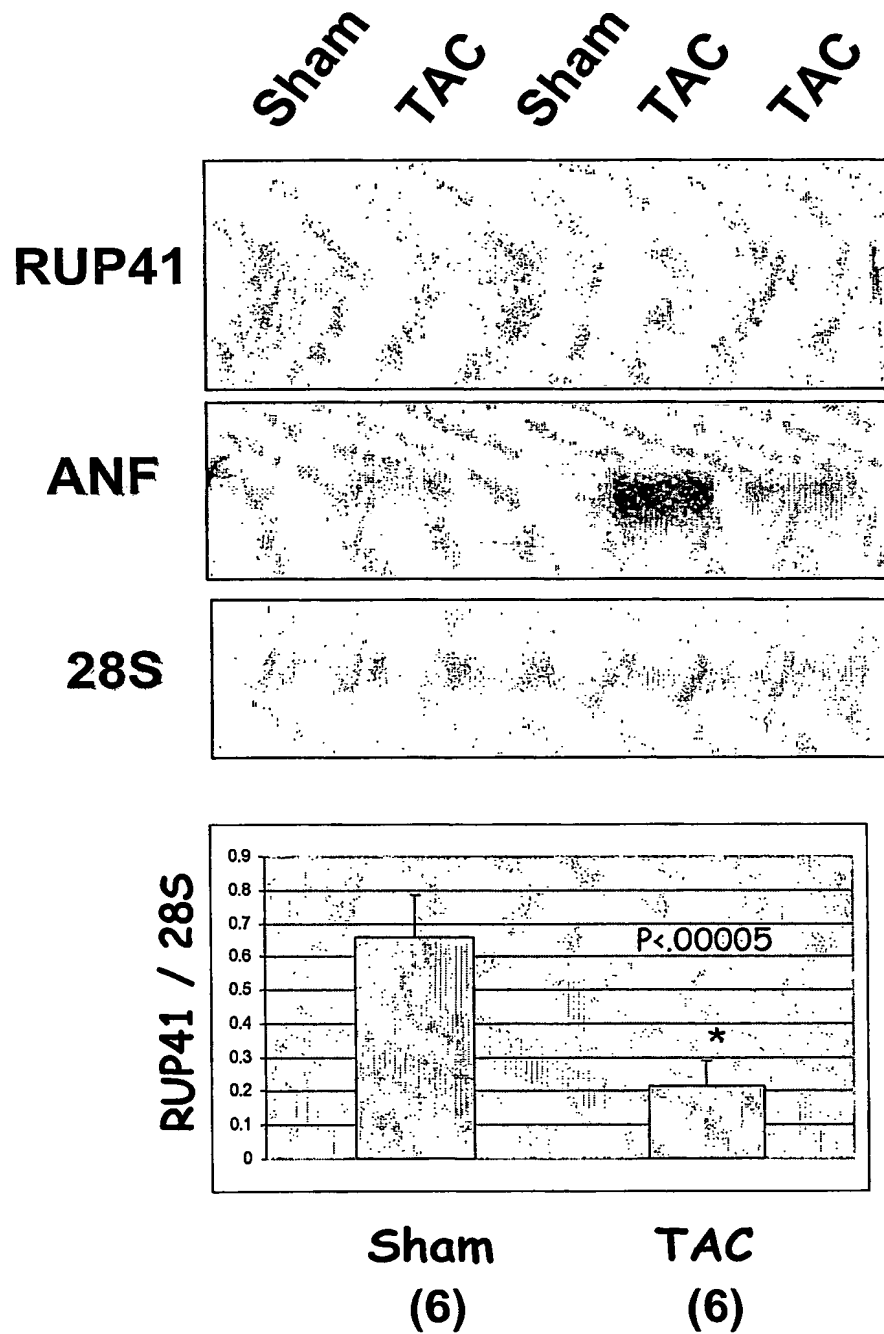


Figure 5
Down-Regulation of RUP41 in Mouse Hearts
Subjected to Pressure Overload Hypertrophy



**Figure 6. Down-Regulation of RUP41
In NRVMs Subjected to Hypoxia**

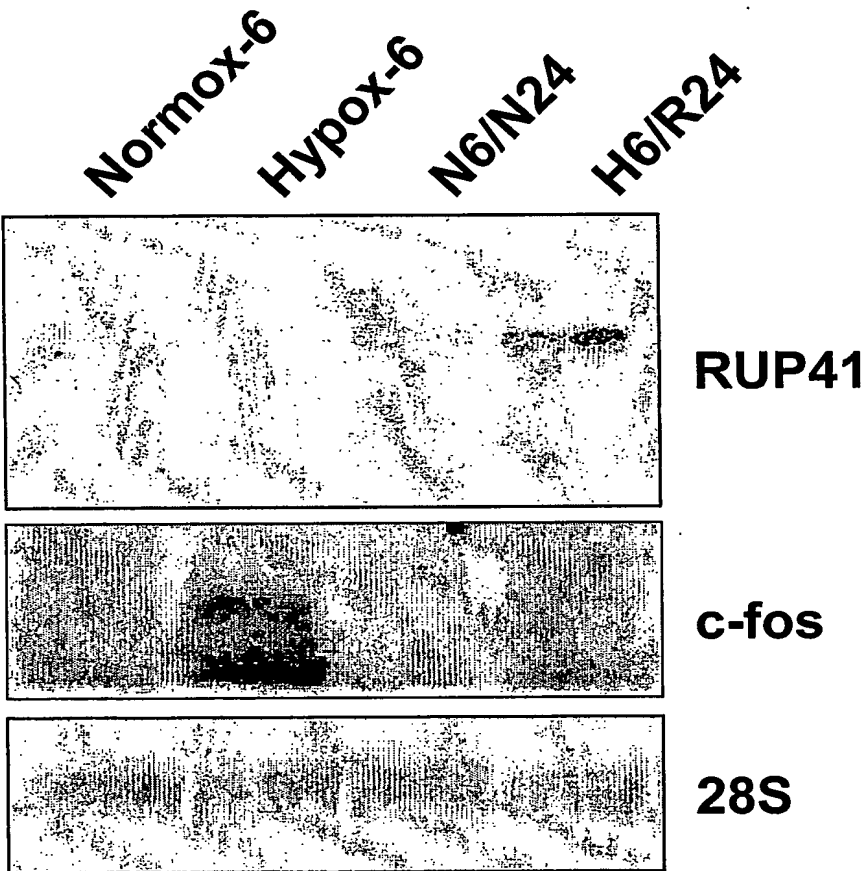
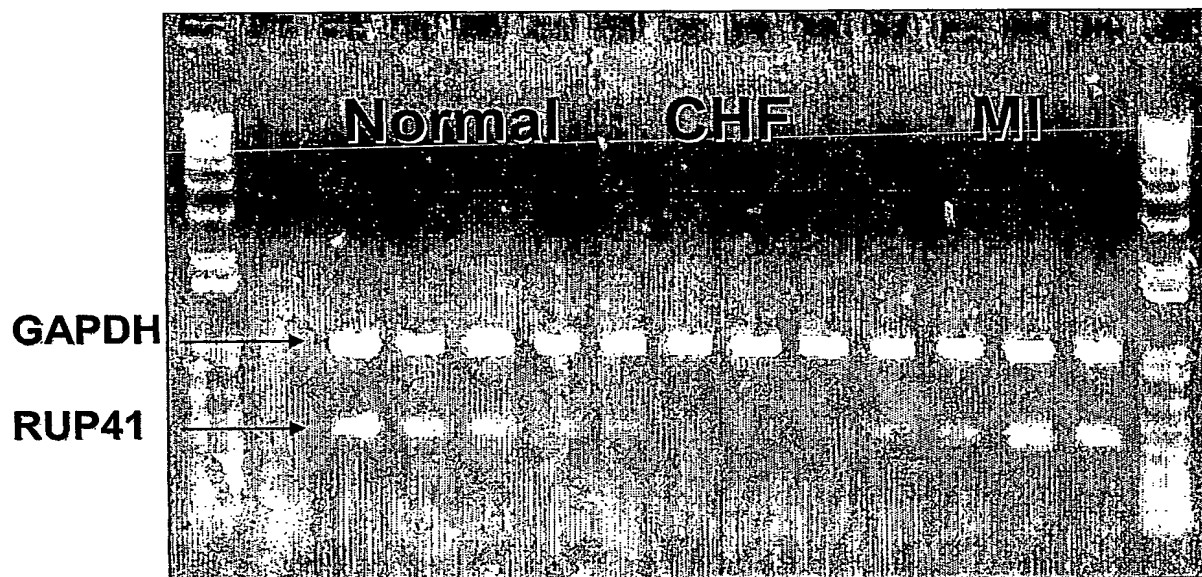
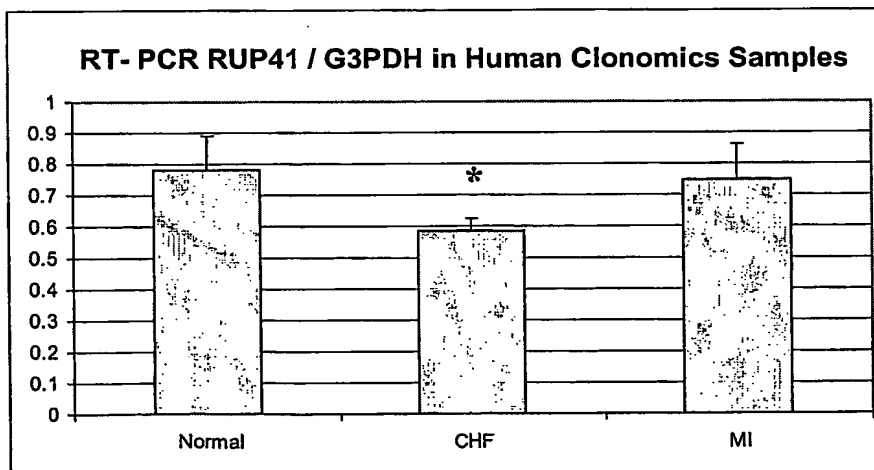


Figure 7. Down-Regulation of RUP41 In Humans with Congestive Heart Failure

A.

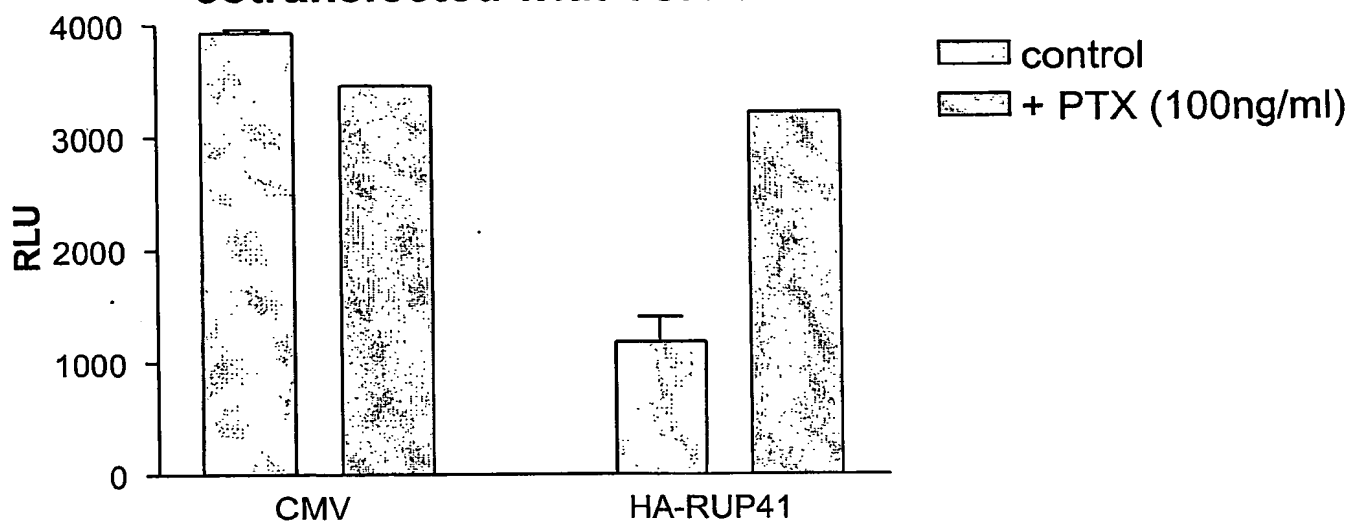


B.

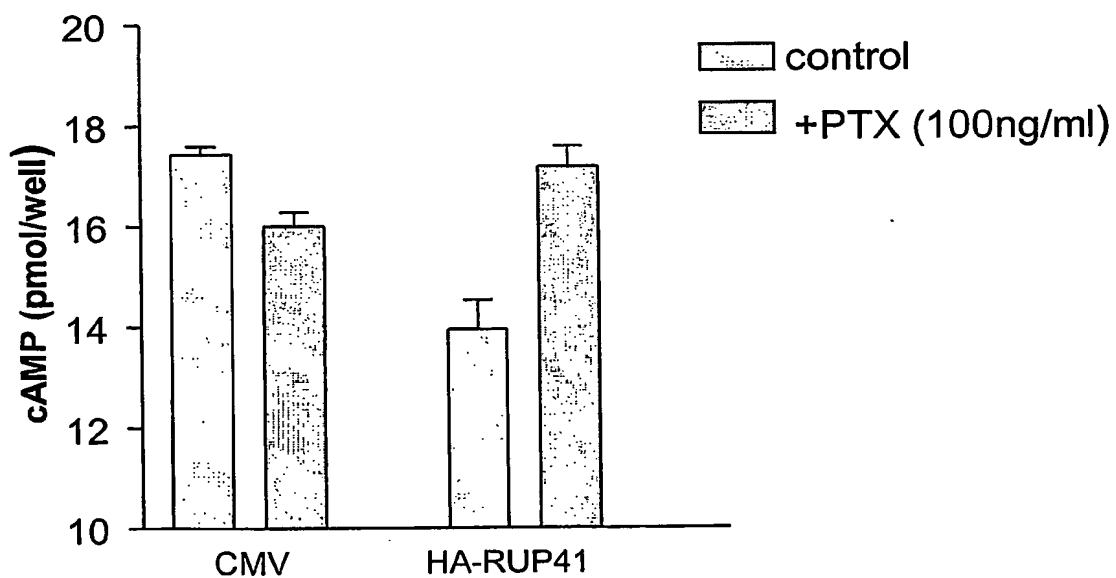


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Figure 8
RUP41 Couples to Gi in COS-7 cells
cotransfected with TSHR-A623I

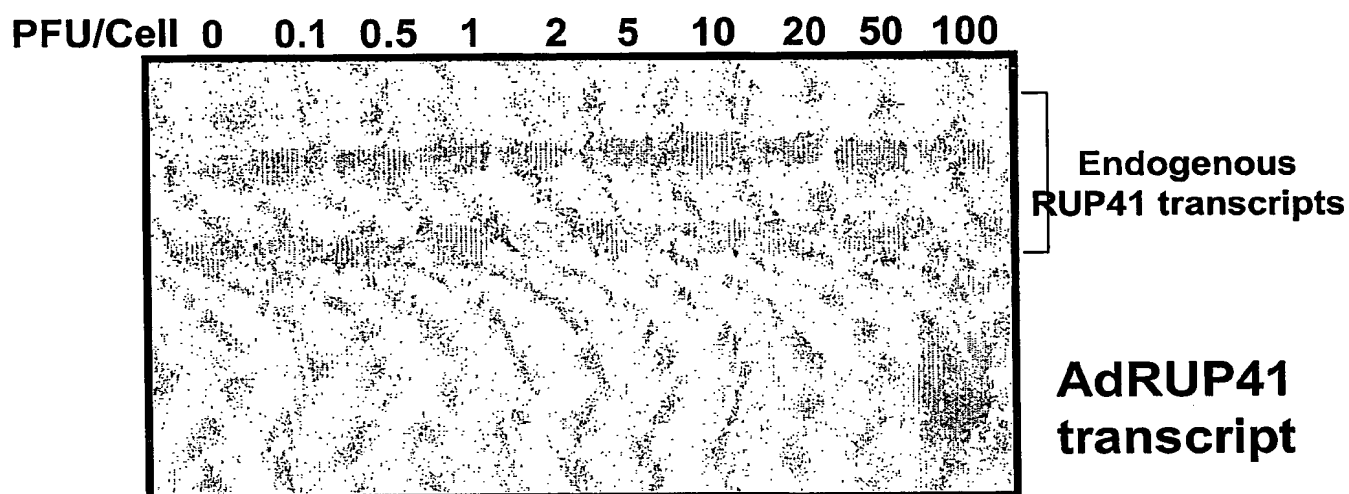
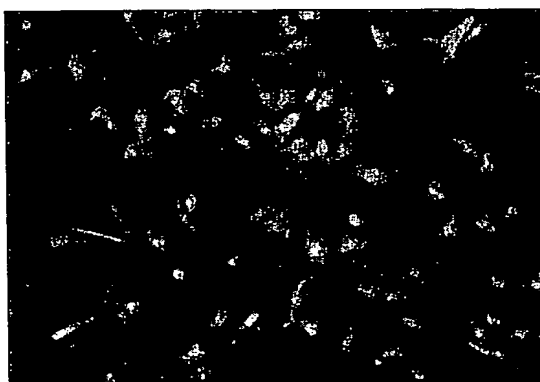
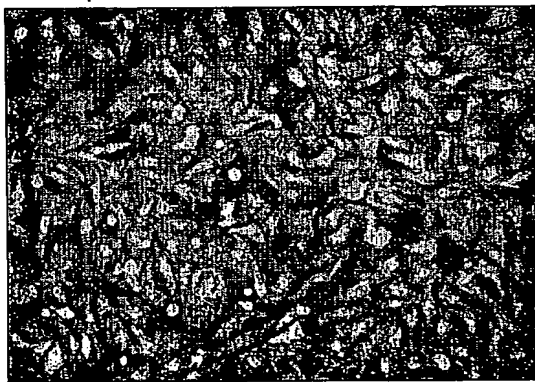


Stimulated by 1 μ M forskolin



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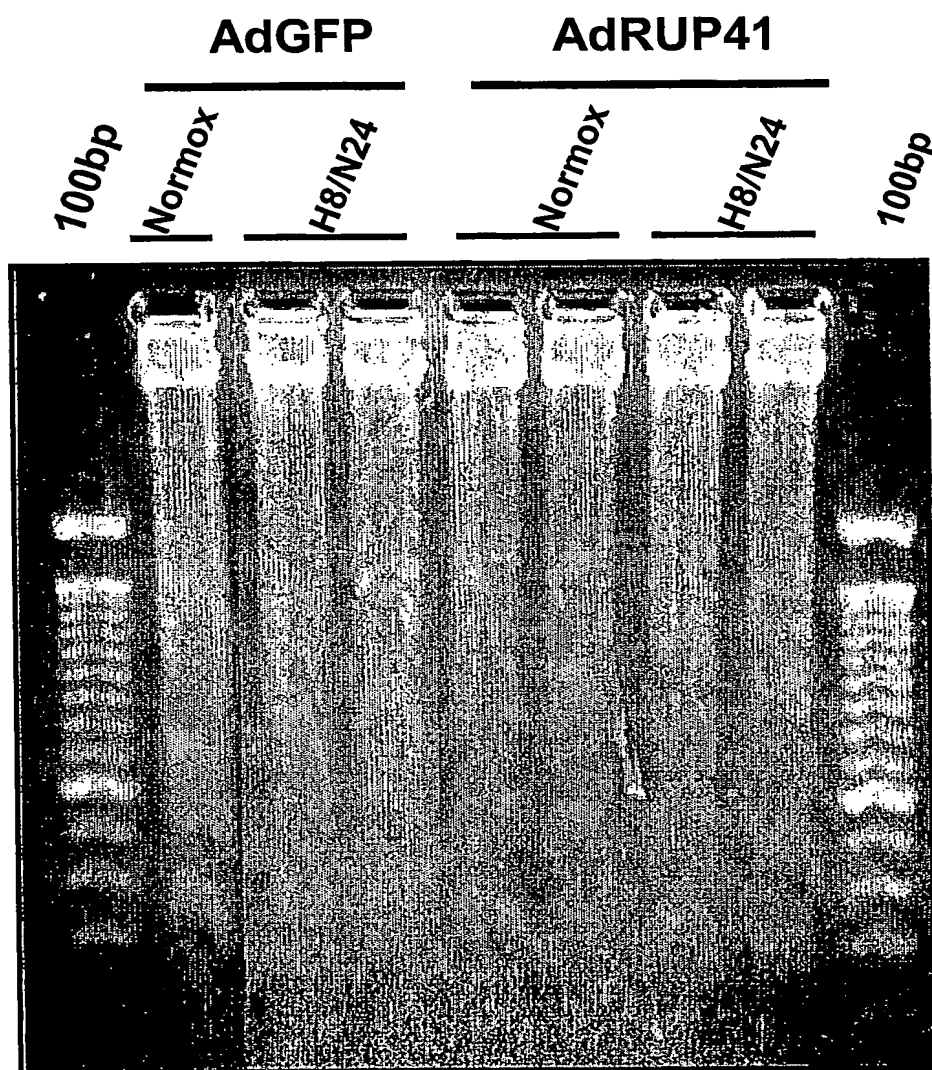
Figure 9
Adenovirus-Mediated Over-Expression
Of RUP41 Promotes Survival of NRVMs

A.**B.****No Virus****AdRUP41**

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Figure 10

Over-Expression of RUP41 Rescues NRVMs From Hypoxia/Reoxygenation Induced Apoptosis



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